

## **SUMMARY OF ERPP VOLUME II: ECOLOGICAL ZONE VISIONS**

### **I. ECOLOGICAL PROCESSES**

#### **A. CENTRAL VALLEY STREAM FLOWS**

#### **B. NATURAL FLOODPLAIN AND FLOW PROCESSES**

1. Expand floodplain area by putting 10% of leveed lands into active floodplain of the Delta.

#### **C. CENTRAL VALLEY STREAM TEMPERATURES**

#### **D. DELTA CHANNEL HYDRAULICS**

1. Restore 23,000 to 29,000 acres to tidal aquatic and freshwater marsh habitat.
2. Restore 50 to 100 miles of tidal channels in southern Yolo Bypass.

#### **E. BAY-DELTA AQUATIC FOODWEB**

### **II. HABITATS**

#### **A. TIDAL PERENNIAL AQUATIC**

1. North: 1,500 ac (Prospect: 500 ac; Little Holland and Liberty: 1,000 ac)
2. East: 1,000 ac (areas -5 to -9 feet in elevation)
3. South: 2,000 ac “ ”
4. C/W: 2,500 ac “ ”

**TOTAL: 7,000 ac**

#### **B. FRESH EMERGENT WETLAND HABITAT (TIDAL)**

1. Restore 30,000 to 45,000 ac in floodplain
2. Restore 50 to 200 ac of midchannel islands and shoals in each unit
3. North: Prospect, Little Holland, Liberty and tracts along Snodgrass Slough
4. East: Upper ends of dead-end sloughs
5. Restore 100 to 150 miles of small sloughs (less than 50 to 75 feet wide)

**TOTAL: 30,000 to 45,000 ac**

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C. FRESH EMERGENT WETLAND HABITAT (NONTIDAL)

1. North: 3,000 ac (Twitchell: 1,000 ac; Yolo Bypass: 1,000 ac)
2. East: 3,000 ac (adjacent to dead-end sloughs)
3. South: 4,000 ac (floodplain overflow areas)
4. C/W: 10,000 ac

**TOTAL: 20,000 ac**

5. Within restored fresh emergent wetlands: Nontidal Perennial Aquatic Habitat (Ponds)
  - a. North: Shallow: 1,000 ac
  - b. East: Shallow: 300 ac; Deep: 200 ac
  - c. South: Shallow: 300 ac; Deep: 200 ac
  - d. C/W: Shallow: 500 ac; Deep: 100 ac

D. SEASONAL WETLAND HABITAT (NONTIDAL)

[Assume lands no longer available for agriculture]

1. North: Restore: 4,000 ac; Improve: 1,000 ac
2. East: Restore: 6,000 ac; Improve: 1,000 ac
3. C/W: Restore: 8,000 ac; Improve: 1,500 ac
4. South: Restore: 12,000 ac; Improve: 500 ac
- TOTAL: 30,000 ac**
5. Restore Deltawide: 20,000 -30,000 ac

**TOTAL: 50,000 to 60,000 ac**

E. RIPARIAN AND RIVERINE AQUATIC

1. South: 25 to 45 miles (different widths identified)
2. North: 10 to 15 miles (no width specified)
3. East: 8 to 15 miles (no width specified)

F. PERENNIAL GRASSLAND

1. North: 1,000 ac
2. East: 1,000 ac
3. South: 2,000 ac

**TOTAL: 4,000 to 6,000 ac**

G. AGRICULTURAL LANDS

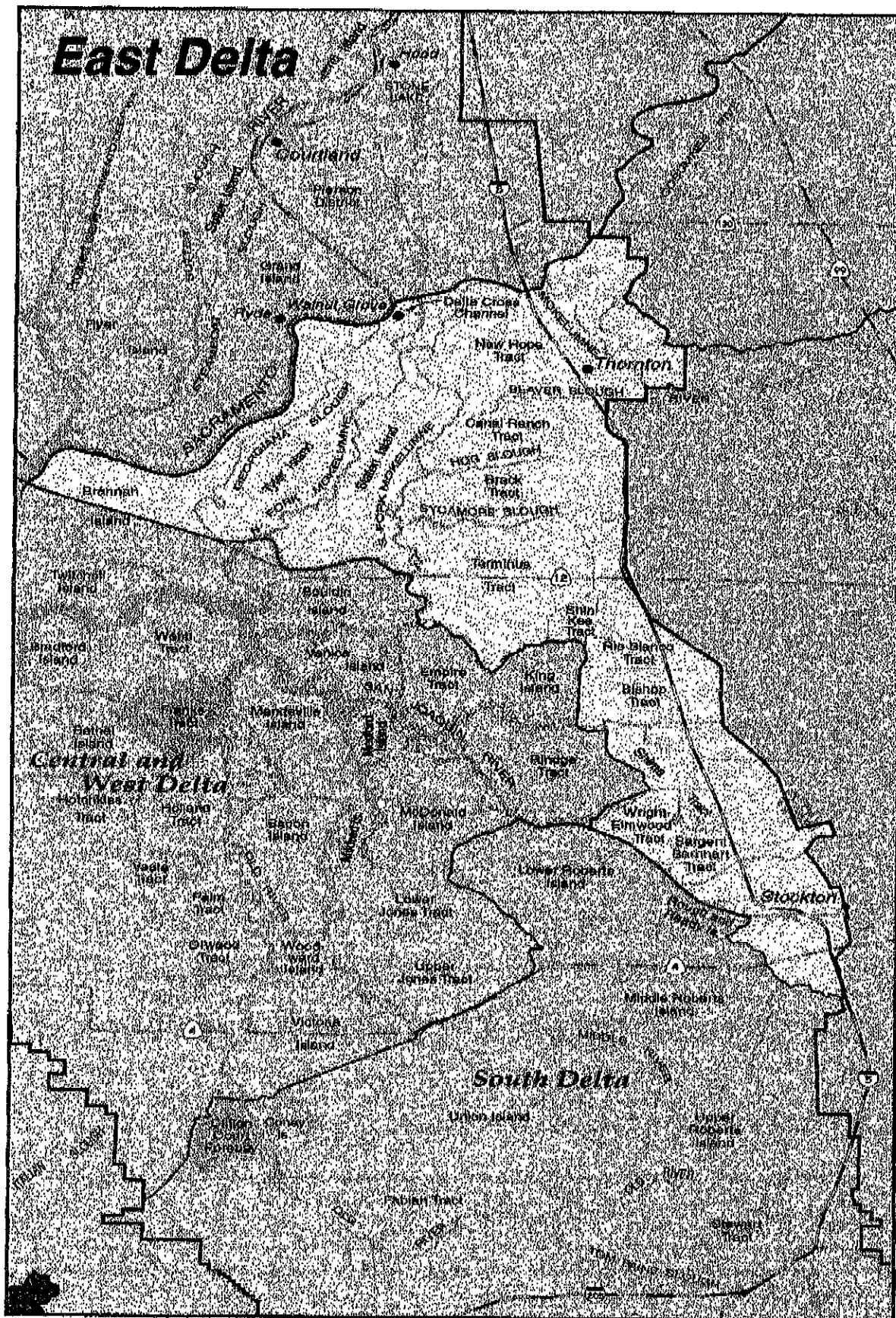
Manage in partnership with private landowner: 40,000 to 74,000 ac

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The map illustrates the Sacramento-San Joaquin River Delta, a complex network of waterways and wetlands. Key features include:

- North Delta:** Located in the upper left, it features the Sacramento River and the Yolo Bypass. Major cities like Sacramento and Yuba City are shown.
- Central Delta:** The central region, dominated by the Delta River and the Delta National Wildlife Refuge. It includes the Yolo Bypass and the Delta River.
- East Delta:** Located in the lower right, it features the Delta River and the Delta National Wildlife Refuge. Major cities like Marysville and Yuba City are shown.
- Waterways:** The Sacramento River, Delta River, Yolo Bypass, and various smaller channels like the Feather River and the Feather River Delta are depicted.
- Wetlands:** Various wetland areas are labeled, including the Delta National Wildlife Refuge, the Delta River Wetlands, and the Delta River Delta.
- Cities and Towns:** Sacramento, Yuba City, Marysville, and various smaller towns like Yuba City, Marysville, and Yuba City are marked.
- Infrastructure:** Major roads like Highway 99 and Highway 99 are shown, along with the Yolo Bypass Bridge.









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